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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of)	
)	
Kurt W. Getreuer)	ATTN: OFFICE OF ASSISTANT
)	COMMISSIONER TO PATENTS
Serial No. 08/485,070)	
)	
Filed: June 7, 1995)	Docket No. DVA-37436
)	
For: OPTICAL DISK SYSTEM)	Los Angeles, California
)	October 12, 1995
)	

RESPONSE AND PETITION FOR ONE-MONTH EXTENSION UNDER 37 CFR 1.136(a)

The Commissioner
United States Patent and Trademark Office
Washington, D.C. 20231

Dear Sir:

In response to Notice of Informal Application (Application Processing Division), a copy of which is attached, Applicant respectfully requests a one-month extension for the above-identified application under 37 CFR 1.136(a).

The requisite petition extension fee of $110.00 is enclosed herewith along with a new page 126 which contains the same material as the previously-submitted page 126 on deposit with the

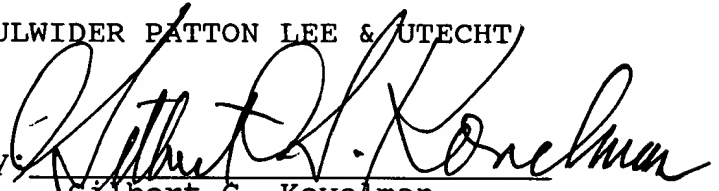320 MM 11/06/95 08485070
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PTO for the above-identified application and the parent application, Serial No. 08/420,899, filed 4/11/95, from which the subject application has been divided. Please charge any additional fee or credit any over-payment to our Deposit Account No. 06-2425. A duplicate copy of this paper is enclosed.

Respectfully submitted,

FULWIDER PATTON LEE & UTECHT

Dated: October 12, 1995   By

Gilbert G. Kovelman
Registration No. 19,552

Enclosures

GGK:elm
10877 Wilshire Boulevard, Tenth Floor
Los Angeles, California 90024
(310) 824-5555

Due 9-14-95

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	FIRST NAMED INVENTOR	ATTY. DOCKET NO.
08/485,070	06/07/95	SCHELL	D 37436.D-1

0232/0814

ROBERT T BRAUN
SUITE 200
2355 MAIN STREET
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0000
DATE MAILED: 08/14/95

NOTICE OF INFORMAL APPLICATION
(Application Processing Division)

A filing date has been granted this application. However, the application is informal for the following reasons:

1._____ The post office address and the city and state or foreign country of applicant's residence appear to be missing. A new Oath or Declaration, in compliance with 37 CFR 1.63, including residence information, is required. The Oath of Declaration must identify the application number and filing date.

2._____ The drawings contained in the application do not comply with size requirements ("8 1/2 X 14" or 21.0 x 29.7 cm). All drawing sheets in an application must be the same size. Proper sized drawings are required.

3. ✓_____ Page(s) _12b_ are not clear enough to be microfilmed. New typewritten pages, together with a statement that the new pages contain the same material as those on deposit, are required. This statement must be verified if made by someone other than an attorney or agent registered before the PTO.

An Application Number and Filing Date have been assigned to the application. However, to avoid abandonment the informalities must be corrected within **ONE MONTH FROM THE DATE OF THIS LETTER.** Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

Direct the response and any questions about this notice to, Attention:
Application Processing Division, Special Processing and Correspondence Branch.

*A copy of this notice **MUST** be returned with the response.*

Application Processing Division
(703) 308-1202

detectors. Furthermore, by using an air space, a symmetrical correcting prism can be added to an existing anamorphic prism system. Finally, a unitary prism system with an air space would be advantageous in order to provide a stable, compact and easy to manufacture and install, prism assembly.

In order to more fully explain the design of an achromatic prism system with an air space between prisms, reference is made to Fig. 68, which depicts a two-element prism system 5-152 having a chromatic correcting prism 5-154 added to a simple anamorphic prism 5-156. The correcting prism 5-154 has an index of refraction of n_1 and the simple anamorphic prism 5-156 has an index of refraction of n_2, at a selected wavelength. The angles in the system are represented as shown in Fig. 68 as Φ, a_1, a_2, a_3, a_4, a_5, a_6, a_7, β_1, β_2, and β_{air}. The deviation angle from the incident beam to the exit beam is referenced as α, where

$$\alpha = \beta_1 + \beta_{air} - (a_7 + \Phi + \beta_2)$$

and a_7 can be calculated through repeated applications of Snell's law and the geometry of triangles.

The design conditions are chosen to achieve a desired result (e.g., total deviation through the system). For instance, to design an achromatic system, the condition is that α be constant over some range of wavelengths.

For a total desired deviation angle, $\alpha = A$, from the entrance beam to the exit beam, the condition is met as follows:

$$A = \beta_1 + \beta_{air} - (a_7 + \Phi + \beta_2)$$

Furthermore, the condition for making the correcting prism

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